



Gulf of Mexico Harmful Algal Bloom Bulletin

26 June 2006

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: June 20, 2006

Conditions Report

Harmful algae has been identified in Northern Sarasota and Southern Lee Counties. Very low impacts are possible in Northern Sarasota and Southern Lee Counties today through Thursday. No impacts are expected in any other Florida Counties through Friday.

Analysis

Harmful algae has recently been identified in northern Sarasota and southern Lee Counties. A very low concentration of *K. brevis* was recently identified at Siesta Key Beach, Sarasota County on 6/18 (FWRI). Chlorophyll levels are slightly elevated to $2\mu\text{g/L}$ west of Siesta Key at $27^{\circ}13'N, 82^{\circ}35'W$, and $2-4\mu\text{g/L}$ west of Casey Key at $27^{\circ}11'N, 82^{\circ}34'W$ in Sarasota County according to recent satellite imagery.

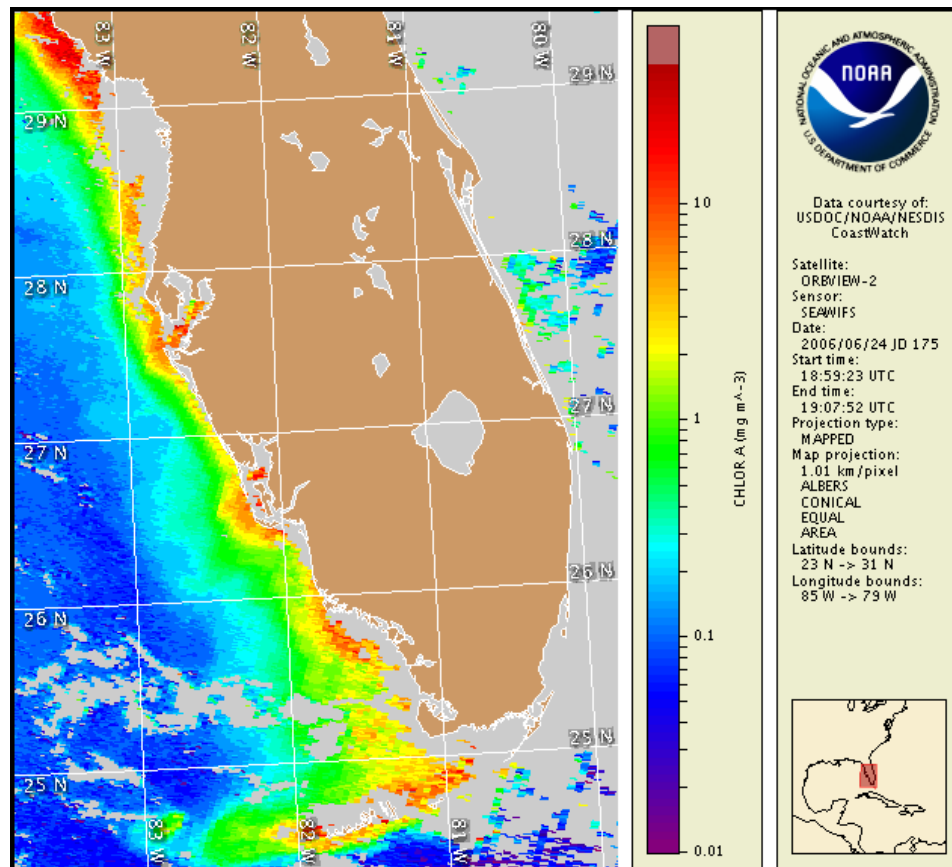
Very low concentrations of *K. brevis* have additionally been found in both surface and bottom samples 7.5 NM West of Caloosahatchee, southern Lee County, on 6/20 nearby a previously reported low *K. brevis* concentration (FWRI, 6/16). South of Sanibel Island ($26^{\circ}24'N, 82^{\circ}4'W$) chlorophyll levels are elevated to approximately $7\mu\text{g/L}$, and up to $12\mu\text{g/L}$ southeast of Sanibel Island at $26^{\circ}24'N, 82^{\circ}1'W$. Recent imagery is obscured by clouds inland of Sanibel Island. This feature has likely traveled slightly south since last week's supplemental bulletin on 6/20.

Identification of these features as blooms can not be confirmed without further sampling. Very low impacts are possible today through Thursday and intensification is unlikely. Minimal movement of the bloom is expected; however, onshore transport is possible through Thursday.

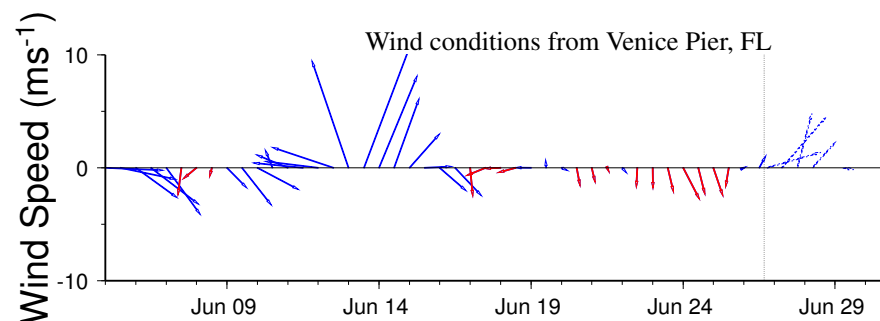
~Fisher, Urizar, Bronder

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive OrbImage approval via the CoastWatch Program.

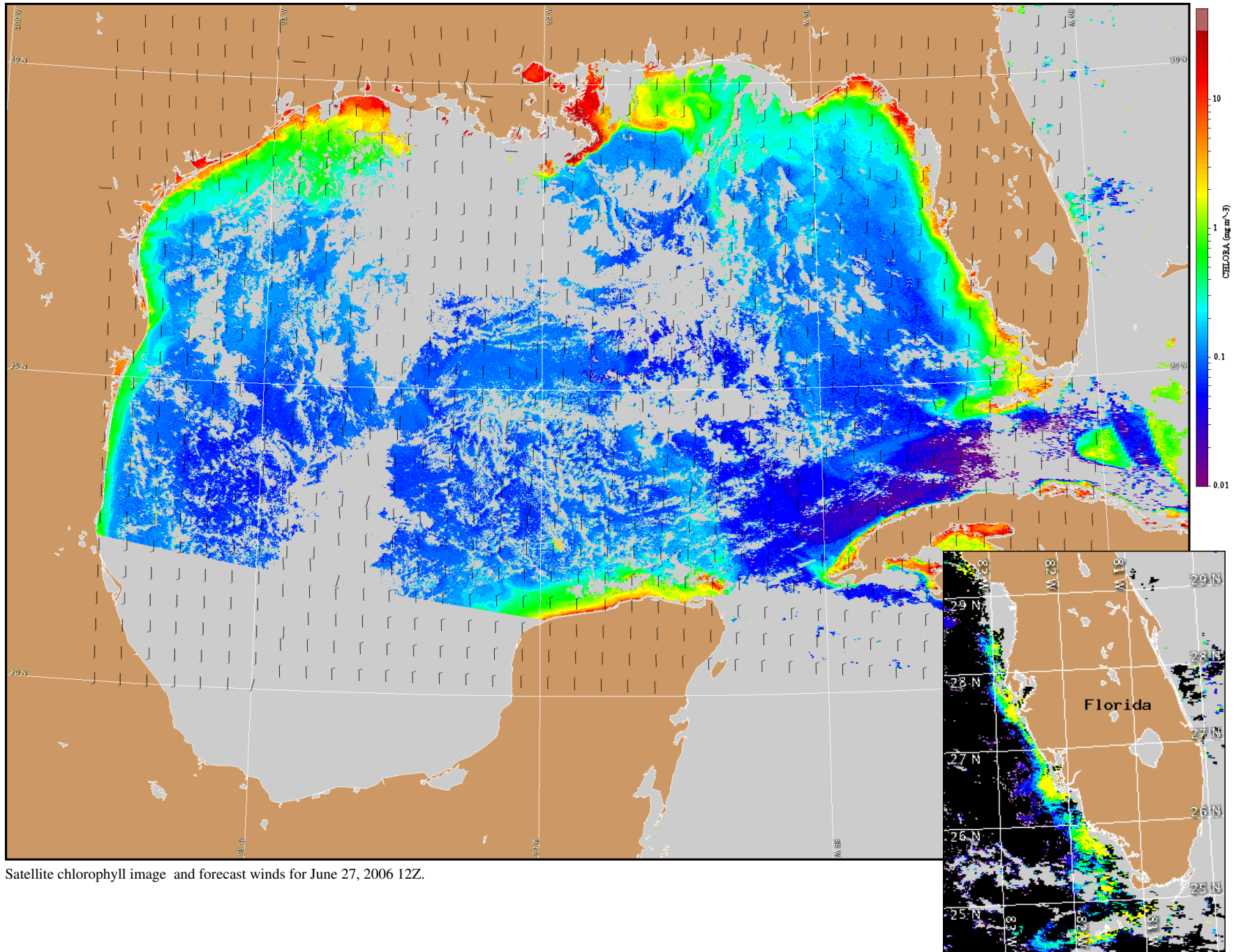


Satellite chlorophyll image with possible HAB areas shown by red polygon(s).



Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

SW Florida: Southwesterly winds today will continue through Tuesday night at 5-10kts; 3-5m/s. Westerly winds on Wednesday (5kts, 3m/s) will shift southwesterly Wednesday night and remain mild. Mild winds expected to shift to northwesterlies Thursday and easterlies on Friday.



Satellite chlorophyll image and forecast winds for June 27, 2006 12Z.

Verified HAB areas shown in red. Other bloom areas shown in yellow (see p. 1 analysis for interpretation).